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## APPLICANTS

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## \*\* CONTINUING DATA \*\*\*\*\*

*none found*

## \*\* FOREIGN APPLICATIONS \*\*\*\*\*

JAPAN 2002-326447 11/11/2002  
 JAPAN 2002-326449 11/11/2002  
 JAPAN 2002-326448 11/11/2002  
 JAPAN 2002-335628 11/19/2002  
 JAPAN 2002-338514 11/21/2002  
 JAPAN 2002-346397 11/28/2002  
 JAPAN 2002-357167 12/09/2002  
 JAPAN 2003-380085 11/10/2003  
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 JAPAN 2003-380102 11/10/2003

## IF REQUIRED, FOREIGN FILING LICENSE GRANTED

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Foreign Priority claimed <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<b>STATE OR COUNTRY</b> JAPAN	<b>SHEETS DRAWING</b> 31	<b>TOTAL CLAIMS</b> 83	<b>INDEPENDENT CLAIMS</b> 38
35 USC 119 (a-d) conditions met <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance				
Verified and Acknowledged <i>[Signature]</i> Examiner's Signature				

## ADDRESS

23373

## TITLE

Piezoelectric device, liquid jetting head, ferroelectric device, electronic device and methods for manufacturing these devices

<b>FILING FEE RECEIVED</b> 7468	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees ( Filing ) <input type="checkbox"/> 1.17 Fees ( Processing Ext. of time ) <input type="checkbox"/> 1.18 Fees ( Issue )
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